

06-438 A

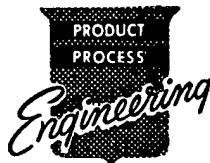
Rec'd EB
1/17/61

~~SECRET~~

COPY No. 1

HESSE-EASTERN

A DIVISION OF
FLIGHTEX FABRICS INC.
EVERETT, MASS.



REPORT NO. TASK III - 8
MONTHLY PROGRESS REPORT

ENGINEERING PROGRAM FOR
THE PILOT PRODUCTION OF A
LIGHTWEIGHT ANTITANK WEAPON

FOR THE PERIOD

MONTH OF DECEMBER 1960

CONTRACT NO. RD-142

ORDNANCE PROJECT NO.

DEPT. OF ARMY PROJECT NO.

This document contains information affecting the national defense of the United States within the meaning of the Espionage Laws, Title 18, U. S. C., Sections 793 and 794. The transmission or the revelation of its contents in any manner to an unauthorized person is prohibited by law.

4

SECRET

HESSE - EASTERN DIVISION

FLIGHTEX FABRICS, INC.

PROGRESS REPORT #8

ENGINEERING PROGRAM FOR THE PILOT PRODUCTION OF

A LIGHTWEIGHT ANTITANK ROCKET

DECEMBER 1960

CONTRACT NO. RD-142

PREPARED BY:

Thomas H. Forman
Thomas H. Forman
Project Engineer

APPROVED BY:

Charles B. Weeks
Charles B. Weeks
General Manager and
Technical Director

SUBMITTED BY: HESSE-EASTERN DIVISION
FLIGHTEX FABRICS, INC.
EVERETT, MASSACHUSETTS

SECRET

SECRET

Hesse-Eastern

SYSTEM EVALUATION PROGRAM

The pilot production proceeded as planned during this month. Batch 3 HEAT was assembled, checked out, canned and boxed during the month and is presently awaiting shipment. The pouring of heads is complete with the exception of re-pouring a very small (seven) quantity of heads which showed flaws on the X-rays.

Since no particular problems have shown up in the reporting period, this report will confine itself to present the results of the quality control tests.

PILOT PRODUCTIONQUALITY CONTROL TEST DECEMBER 14, 1960

<u>Rd. No.</u>	<u>Test (Per T-310)</u>	<u>Aim</u>	<u>Hit</u>	<u>Armor penetration (Inches)</u>	<u>Comments</u>
1	B5 Graze				Functioned
2	B5 Graze				Functioned
3	B4 Humidity	12-21	12-18	10.937	
4	B4 Humidity	15-21	15-21	10.937	
5	B4 Humidity	6-15	3-15	10.625	
6	B4 Humidity	15-12	15-12	9.687	
7	B3 Water	9-15	6-13	8.437	
8	B3 Water	15-15	13-13	8.437	
9	B3 Water	18-12	17-12	5.937	
10	B3 Water	9-12	8-12	2.187	

SECRET

SECRET**Hesse-Eastern**

<u>Rd. No.</u>	<u>Test (Per T-310)</u>	<u>Alm</u>	<u>Hit</u>	<u>Armor penetration (inches)</u>	<u>Comments</u>
11	B2 Cold	6-27	7-27	7.500	
12	B2 Cold	9-27	9-24	7.187	
13	B2 Cold	12-27	13-25	8.125	
14	B2 Cold	15-27	16-26	6.875	
15	B1 Hot	18-27	19-28	6.875	
16	B1 Hot	18-21	22-21	6.250	
17	B1 Hot	15-21	16-19	5.00	
18	B1 Hot	6-21	8-22	<u>5.00</u>	
TOTAL				<u><u>119.996</u></u>	<u><u>Average 7.5"</u></u>

The results of this test justified the canning of the batch and the project officer was asked to make arrangements to ship all systems now at the J-2 Range. At the present time the following are ready for pick-up:

2 HEAT batches

1 Practice batch

several boxes of scrap

SECRET

SECRET